

Patent Abstracts of Japan

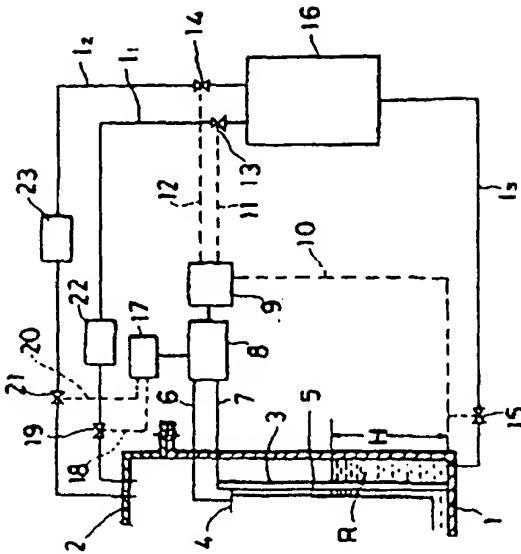
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TITLE : RESIN IMPREGNATION



**ABSTRACT :** PURPOSE: To quantitatively identify the degree of resin impregnation and to improve reliability by detecting the amount of a variation in earth capacity for static electricity whereby the resin injection speed is controlled by the amount and switching is made from decompression injection to pressure injection at a specific value or more.

CONSTITUTION: A detector 8 for earth capacity of static electricity is connected through an iron core 4, a coil 3, and lead wires 6, 7 housed in an impregnation tank 1. An impregnation controller 9 and a decompression and pressure controller 17 are connected to the detector 8 to control each valve 13, 14, 19, 21. Firstly, resin is supplied by reducing pressure from a resin tank 16 through a decompressor 22 and injection speed is controlled by adjusting the valve 13 in accordance with the present amount of variation in earth capacity for static electricity. When the amount of a variation in earth capacity for static electricity exceeds 1.4 times or more, switching is made from the decompressor 22 to a pressure device 23 and the valve 14 is adjusted to supply resin by applying pressure and resin impregnation treatment is performed.